AUTODOC CLUB

How to change rear brake shoes on **AUDI 90 B3 (89, 89Q, 8A)** – replacement guide

SIMILAR VIDEO TUTORIAL

This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
AUDI 90 B3 (89, 89Q, 8A) 1.6 TD

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: VW Polo Hatchback (6N1) 1.0

REPLACEMENT: BRAKE SHOES – AUDI 90 B3 (89, 89Q, 8A). LIST OF THE TOOLS YOU'LL NEED:

- Wire brush
- All-purpose cleaning spray
- Multipurpose grease
- Copper grease
- Torque wrench
- Combination spanner #10
- Drive socket # 24
- Wheel impact socket #17
- Brake shoe retaining spring compressor
- Flat screwdriver
- Ratchet wrench
- Hammer
- Crow bar
- Wheel chock

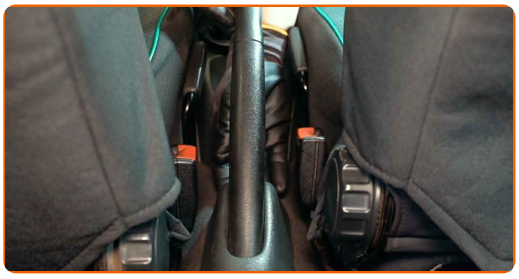
Buy tools

Replacement: brake shoes – AUDI 90 B3 (89, 89Q, 8A). Tip from AUTODOC:

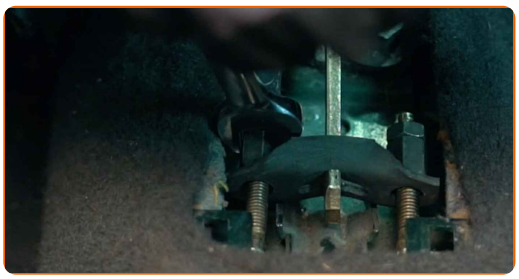
- Replace brake shoes as a set on an axle. This will ensure efficient braking.
- The replacement procedure is identical for brake shoes on the same axle.
- Please note: all work on the car – AUDI 90 B3 (89, 89Q, 8A) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Engage the parking brake lever.



2 Loosen the parking brake cable. Use a combination spanner #10.



3 Secure the wheels with chocks.

4 Loosen the wheel mounting bolts. Use wheel impact socket #17.

5 Raise the rear of the car and secure on supports.

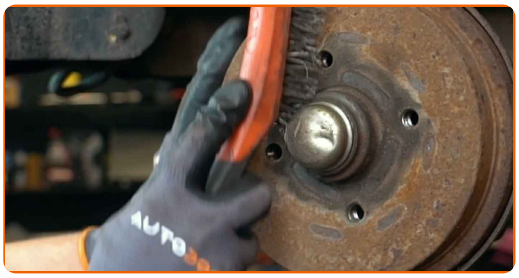
6 Unscrew the wheel bolts.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. AUDI 90 B3 (89, 89Q, 8A)

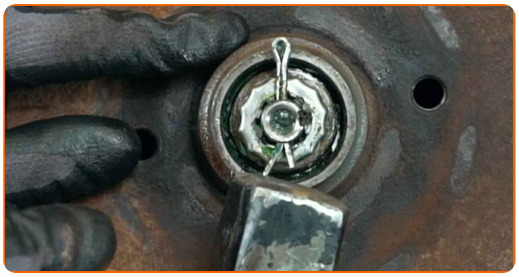
7 Remove the wheel.

8 Clean the brake drum. Use a wire brush. Use all-purpose cleaning spray.



9 Remove the wheel hub nut cap. Use a crowbar. Use a hammer.

10 Remove the cotter pin securing the hub nut. Use a crowbar. Use a hammer.



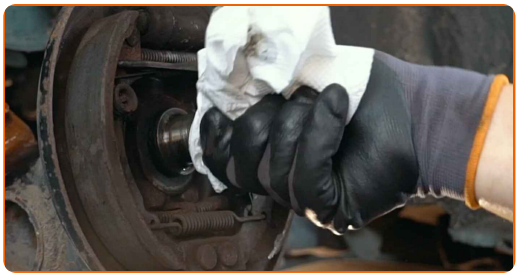
11 Unscrew the hub nut. Use a drive socket #24. Use a ratchet wrench.

12 Remove the brake drum assembled with the wheel hub bearing.

Replacement: brake shoes – AUDI 90 B3 (89, 89Q, 8A). Professionals recommend:

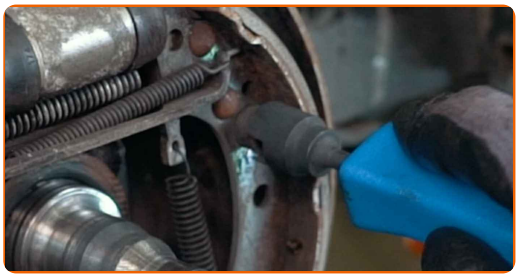
- Examine the brake drum. Replace it if necessary.

13 Clean the fasteners of the brake shoes. Use all-purpose cleaning spray.

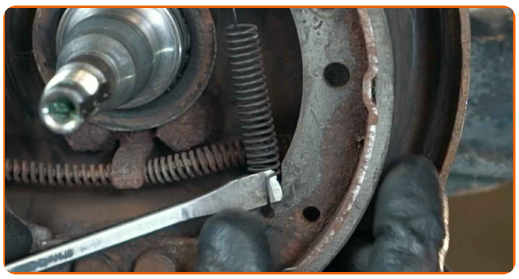


14 Remove the lower return spring of brake shoes. Use a crowbar.

15 Remove the retainers of the drum brake shoes. Use a brake shoe retaining spring compressor.

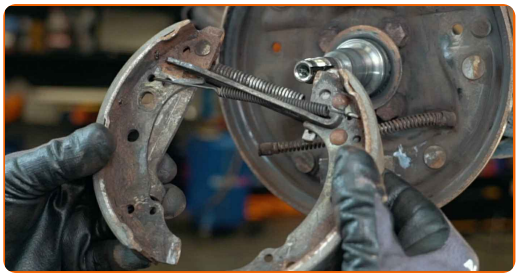


16 Remove the hold-down spring. Use a crowbar.



17 Disconnect the parking brake cable. Use a crowbar.

18 Remove both shoes from the mounting bracket.



Replacement: brake shoes – AUDI 90 B3 (89, 89Q, 8A). Tip from AUTODOC experts:

- Don't press the brake pedal after removing the rear brake drum shoes. This will cause the piston to fall out of the brake cylinder, leakage of brake fluid and depressurization of the system.

19 Remove the upper spring and the adjuster. Use a flat screwdriver.

20 Remove the brake shoe adjuster lever.

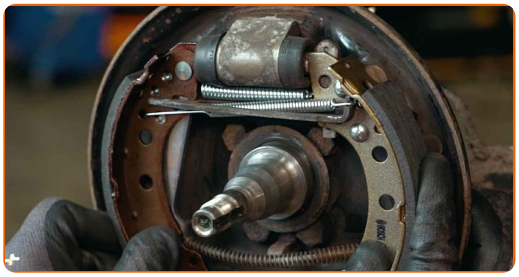
21 Install the brake shoe adjuster lever.

22 Install the upper retaining springs and adjustment mechanism on new brake shoes. Use a flat screwdriver.

23 Clean the mounting seats of the brake shoes. Use all-purpose cleaning spray.

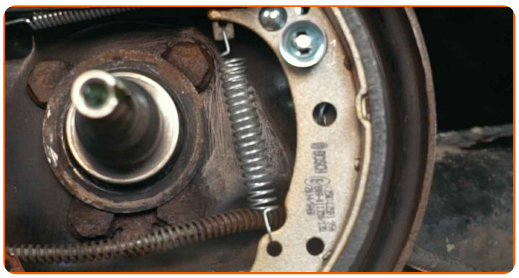
24 Connect the parking brake cable to the parking brake lever.

25 Install the brake shoes on the working brake cylinder on the bracket and on the brake-support plate bracket.

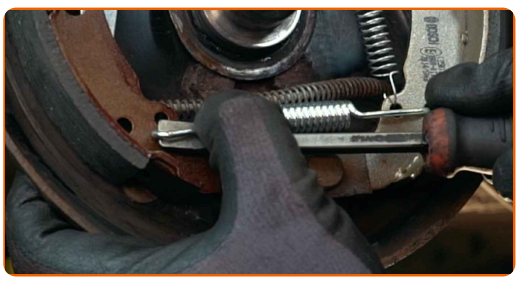


26 Install the retainers of the drum brake shoes. Use a brake shoe retaining spring compressor.

27 Install the hold-down spring.



28 Install the lower return spring. Use a crowbar.



29 Treat the wheel hub in the area where it contacts the brake drum. Use a multipurpose grease.

30 Install the brake drum assembled with the wheel hub bearing.

31 Install the wheel.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. AUDI 90 B3 (89, 89Q, 8A)

32 Screw in the wheel bolts. Use wheel impact socket #17.

33 Screw on the hub nut. Use a drive socket #24. Use a ratchet wrench.

Replacement: brake shoes – AUDI 90 B3 (89, 89Q, 8A). Tip:

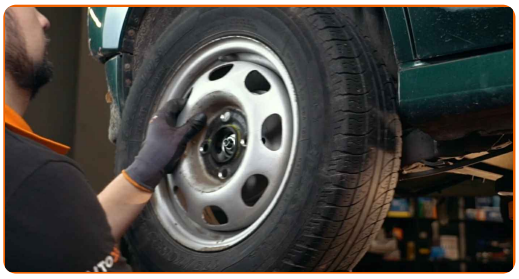
- Align the brake drum.

34 Unscrew the wheel bolts. Use wheel impact socket #17.

AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. AUDI 90 B3 (89, 89Q, 8A)

35 Remove the wheel.

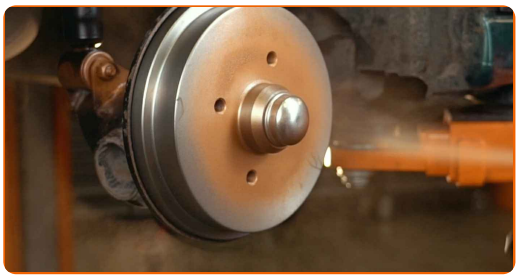


36 Install a new hub nut cotter pin. Use a crowbar. Use a hammer.

37 Install the cap of the hub nut. Use a hammer.

38 Clean the wheel rim mounting seat. Use a wire brush.

39 Treat the surface where the wheel rim contacts the brake drum. Use copper grease.



40 Install the wheel.

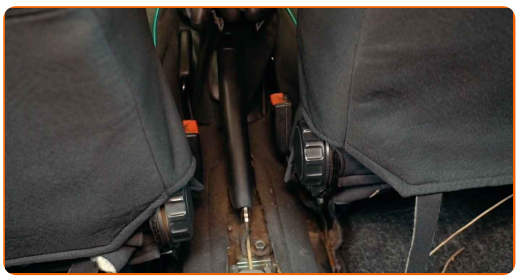
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. AUDI 90 B3 (89, 89Q, 8A)

41 Screw in the wheel bolts. Use wheel impact socket #17.

42 Adjust the parking brake cable tension. Use a combination spanner #10.

43 Release the parking brake lever.



44 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 110 Nm torque.

45 Remove the jacks and chocks.

WELL DONE!

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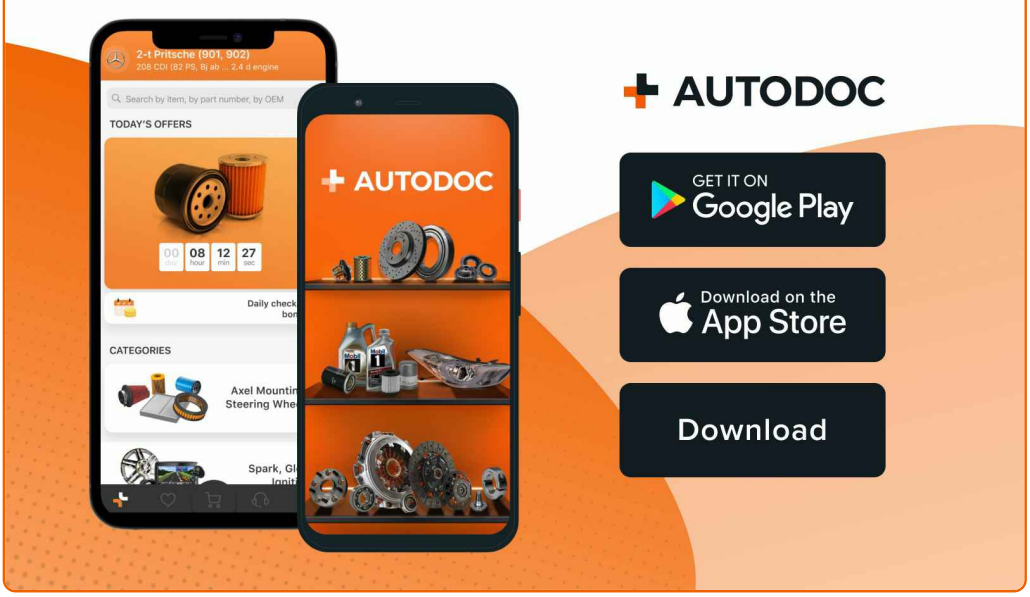

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